

# RTP 2700 SERIES

SBC-Based Thermoplastic Elastomers



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## SBC Based Thermoplastic Elastomers

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### RTP 2700S and RTP 2740S

RTP 2700 Series TPEs are commonly used in a myriad of familiar everyday items, from the soft grip on your pen or razor to the protective “rubberized” case on your smartphone. Highly colorable, translucent RTP 2700S materials are available in variations ranging from extremely soft and elastic to grades bordering on semi-rigid. RTP 2740S compounds offer the same range of hardnesses in a budget conscious, off-white opaque natural or black.

These proven off-the-shelf materials offer solutions for many common applications, with plaques and trial quantities on-hand to allow us to service customers with immediate samples. RTP 2700 grades are overmold-bondable to polypropylene substrates.

For more information:  
[www.rtpcompany.com/products/elastomer](http://www.rtpcompany.com/products/elastomer)

### RTP 2700 SERIES C

Whether it's a new and novel material concept to drive part functionality or simply reducing part cost to give you a competitive edge, innovation drives value in the market. RTP 2700 Series C opens up countless possibilities, including:

- tailored physical properties
- modification for clarity
- customized surface feel
- increased or decreased elasticity
- food contact compliance
- ISO 10993 medical

With a huge variety of SBC inputs at their disposal, our dedicated TPE engineers can custom formulate to a wide variety of end use requirements. Our collaborative, customer-focused development approach enables us to identify and solve potential problems on paper before expensive trialing and testing occur, thereby positioning your application for success!

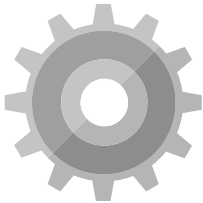
# RTP 2700 SERIES TPE Compounds

RTP 2700 Series TPE compounds based on styrenic block copolymer (SBC) technology are engineered to be far more than just properties on a datasheet. They reflect our commitment to drive TPE technology in support of our core commitments to our valued customers:



## SOLUTIONS in-stock for you

RTP 2700S and RTP 2740S materials are suitable for a wide variety of common consumer, industrial, healthcare, and general-purpose applications; either stand-alone or overmolded to polypropylene. A table of common physical properties is provided in the table below. Additional data regarding in-use capability is available on request, as is information on standard grades for food contact and medical applications.



## CUSTOMIZATION for collaborative innovation

Does your project require something outside of the norm? Our history and expertise gives us some of the strongest custom compounding capability in the industry. Collaboration and communication are the cornerstones of successful development, and we make the process easy by combining local support with a centralized technical and commercial support staff that is dedicated to TPEs.



## SERVICE that brings it all together

Customers like you are what drive our business. We pride ourselves on being big enough to compete with anyone, anywhere, without sacrificing the individual attention that is critical to launching successful programs. We strive to meet our commitments, and to provide straightforward advice and recommendations – even if they don't fit into our product line.

Product	Durometer	Sp. Gravity	Tensile strength (Mpa)	Tensile Elongation (%)	Tensile Modulus at 100% strain (Mpa)	Tear Strength (N/mm)	Comp. Set - 22h	
	ASTM D 2240	ASTM D 792	ASTM D 412	ASTM D 412	ASTM D 412	ASTM D 624	ASTM D 395, Method B, Type 2 @ 23C (%)	@ 70C (%)
<b>RTP 2740 S-30A HF</b>	30A	1.04	3.0	750%	0.6	12.3	11	30
<b>RTP 2740 S-40A HF</b>	40A	1.15	3.8	670%	1.0	15.8	14	32
<b>RTP 2740 S-50A HF</b>	50A	1.14	5.1	690%	1.5	20.1	14	34
<b>RTP 2740 S-60A HF</b>	60A	1.14	6.5	700%	2.1	25.4	16	36
<b>RTP 2740 S-70A HF</b>	70A	1.14	6.9	730%	2.5	29.8	17	38
<b>RTP 2740 S-80A HF</b>	80A	1.14	8.3	750%	3.1	33.3	20	42
<b>RTP 2700 S-30A</b>	30A	0.89	4.4	660%	0.6	17.5	12	45
<b>RTP 2700 S-40A</b>	40A	0.89	5.5	730%	0.9	21.9	14	42
<b>RTP 2700 S-50A</b>	50A	0.89	6.9	780%	1.3	23.6	16	41
<b>RTP 2700 S-60A</b>	60A	0.89	8.7	750%	1.8	33.3	21	46
<b>RTP 2700 S-70A</b>	70A	0.89	11.1	750%	2.5	37.7	25	48
<b>RTP 2700 S-80A</b>	80A	0.89	12.5	760%	2.8	40.3	30	55

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# TPE

## Product Portfolio



RTP Company compounds innovative solutions by utilizing the widest array of base Thermoplastic Elastomer (TPE) technologies in the industry. Each product line reflects our commitment to drive TPE technology in support of our core commitments to our valued customers: Solutions, Customization, and Service.

## RTP 2700 SERIES

SEBS and SBC based compounds offering a broad range of options for properties, surface feel, clarity, and processing

## PERMAPRENE™

TPV compounds designed with your needs in mind: from conventional high-performance TPV to value-optimized alloys

## NYLABOND™

Industry leading nylon-bonding TPE technology; automotive approved products; unique value in power tool grips

## POLABOND™

Exceptional TPE overmold adhesion to a wide range of engineering thermoplastics, with performance to match

## SPECIALTY

Color, Flame Retardant, Wear Resistant, Structural, Conductive... no one does specialty TPE better than RTP Company



RTP Company Corporate Headquarters • 580 East Front Street • Winona, Minnesota 55987 USA website: [www.rtpcompany.com](http://www.rtpcompany.com) • email: [rtp@rtpcompany.com](mailto:rtp@rtpcompany.com)

TELEPHONE:	U.S.A. +1 507-454-6900	SOUTH AMERICA +55 11 4193-8772	MEXICO +52 81 8134-0403	EUROPE +33 380-253-000	SINGAPORE +65 6863-6580	CHINA +86 512-6283-8383	Wiman Corporation +1 320-259-2554	ESP™ +1 800-432-2386
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